



PROVIDE PRECAST MANHOLE COMPONENTS WHICH COMPLY WITH AASHTO M199. ASSEMBLE RISERS AND GRADE RINGS SO STEPS HAVE A SPACING OF 12" FROM THE TOP TO THE BOTTOM OF THE MANHOLE. WHERE THE MANHOLE IS EXPOSED TO ROADWAY TRAFFIC, PLACE THE TOP OF THE MANHOLE FLUSH WITH THE GROUND; AND AT OTHER LOCATIONS PLACE THE TOP A MINIMUM OF 9" ABOVE THE GROUND. REINFORCED CONCRETE FOOTING IS REQUIRED WHEN THE MANHOLE IS OVER 12' OR ON A POOR SOIL BASE. THE FOOTING AND BASE SECTION MAY BE PRECAST.